

Substitute for Form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheets as necessary)

Sheet

of

10

Complete If Known

Application Number	10/802,955
Filing Date	March 16, 2004
First Named Inventor:	Eugene T. Michal
Art Unit	1651
Examiner Name	Allison M. Ford

O I P E
DFC 19, 2006

U.S. PATENT AND TRADEMARK OFFICE

Attorney Docket No. 005618.P4124X

U.S. PATENT DOCUMENTS

Exmnr Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
CP	1.	3,780,733	B1	12-25-1973	Martinez-Mangor	
	2.	4,617,186	B1	10-14-1986	Schafer	
	3.	4,794,931	B1	01-03-1989	Yock	
	4.	5,000,185	B1	03-19-1991	Yock	
	5.	5,024,234	B1	06-18-1991	Leary et al.	
	6.	5,049,130	B1	09-17-1991	Powell	
	7.	5,092,848	B1	03-03-1992	DeCiutis	
	8.	5,171,217	B1	12-15-1992	March et al.	
	9.	5,202,745	B1	04-13-1993	Sorin et al.	
	10.	5,203,338	B1	04-20-1993	Jang	
	11.	5,270,300	B1	12-14-1993	Hunziker, E.B.	
	12.	5,291,267	B1	03-01-1994	Sorin et al.	
	13.	5,321,501	B1	06-14-1994	Swanson et al.	
	14.	5,336,252	B1	08-09-1994	Donald Cohen	
	15.	5,354,279	B1	10-11-1994	Hofling	
	16.	5,365,325	B1	11-15-1994	Kumasaka et al.	
	17.	5,372,138	B1	12-13-1994	Crowley et al	
	18.	5,380,292	B1	01-10-1995	Wilson	
	19.	5,437,632	B1	08-01-1995	Engelson	
	20.	5,459,570	B1	10-17-1995	Swanson et al.	
	21.	5,464,395	B1	11-07-1995	Faxon et al.	
	22.	5,465,147	B1	11-07-1995	Swanson	
	23.	5,485,486	B1	01-16-1996	Gilhouse et al.	
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	25.	5,540,912	B1	07-30-1996	Roorda, et al.	
	26.	5,546,948	B1	08-20-1996	Hamm et al.	
	27.	5,575,815	B1	11-19-1996	Siepien, et al.	
	28.	5,580,856	B1	12-03-1996	Prestrelski et al.	
	29.	5,588,432	B1	12-31-1996	Crowley	
✓	30.	5,621,610	B1	04-15-1997	More, P.M. et al.	
	31.	5,642,234	B1	06-24-1997	Altman et al.	

Examiner
Signature*Alvin S.*

Date Considered

22 Jan 07

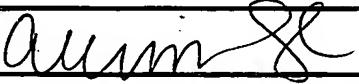
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/802,955
				Filing Date	March 16, 2004
				First Named Inventor:	Eugene T. Michal
				Art Unit	1651
				Examiner Name	Allison M. Ford
Sheet	2	of	10	Attorney Docket No.	005618.P4124X

✓	32.	5,655,548	B1	08-12-1997	Nelson et al.
	33.	5,693,029	B1	12-02-1997	Leonhardt
	34.	5,722,403	B1	03-03-1998	McGee et al.
	35.	5,740,808	B1	04-21-1998	Panescu et al.
	36.	5,785,689	B1	07-28-1998	De Toledo et al.
	37.	5,827,313	B1	10-27-1998	Ream
	38.	5,843,156	B1	12-01-1998	Slepian et al.
	39.	5,879,713	B1	03-09-1999	Roth et al.
	40.	5,900,433	B1	05-04-1999	Igo et al.
	41.	5,935,160	B1	08-10-1999	Auricchio et al.
	42.	5,939,323	B1	08-17-1999	Valentini et al.
	43.	5,941,868	B1	08-24-1999	Kaplan et al.
	44.	5,957,941	B1	09-28-1999	Ream
	45.	5,968,064	B1	10-19-1999	Selmon et al.
	46.	5,979,449	B1	11-09-1999	Steer, Eugene
	47.	5,981,568	B1	11-09-1999	Kunz et al.
	48.	5,997,536	B1	12-07-1999	Osswald et al.
	49.	6,022,540	B1	02-08-2000	Bruder et al.
	50.	6,045,565	B1	04-04-2000	Ellis et al.
	51.	6,051,071	B1	04-18-2000	Charvet et al.
	52.	6,056,744	B1	05-02-2000	Edwards
	53.	6,058,329	B1	05-02-2000	Salo et al.
	54.	6,071,305	B1	06-06-2000	Brown et al.
	55.	6,086,582	B1	07-11-2000	Altman et al.
	56.	6,093,177	B1	07-25-2000	Javier, Jr. et al.
	57.	6,099,563	B1	08-08-2000	Sheng-Ping Zhong
	58.	6,099,864	B1	08-08-2000	Morrison et al.
	59.	6,102,887	B1	08-15-2000	Altman
	60.	6,102,904	B1	08-15-2000	Vigil et al.
	61.	6,102,926	B1	08-15-2000	Tartaglia et al.
	62.	6,120,520	B1	09-19-2000	Saadat et al.
	63.	6,120,904	B1	09-19-2000	Hostettler et al.
	64.	6,133,231	B1	10-17-2000	Ferrara et al.
	65.	6,134,003	B1	10-17-2000	Tearney et al.
	66.	6,152,141	B1	11-28-2000	Stevens et al.
✓	67.	6,159,443	B1	12-12-2000	Hallahan
	68.	6,175,669	B1	01-16-2001	Colston et al.

Examiner Signature		Date Considered	22 Jan 07
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				Examiner Name	Allison M. Ford
69.	6,177,407	B1	01-23-2001	Rodgers et al.	
70.	6,179,809	B1	01-30-2001	Khairkhahan et al.	
71.	6,183,432	B1	02-06-2001	Milo	
72.	6,183,444	B1	02-06-2001	Glines et al.	
73.	6,187,330	B1	02-13-2001	Wang et al.	
74.	6,190,353	B1	02-20-2001	Makower et al.	
75.	6,191,144	B1	02-20-2001	Isner	
76.	6,193,763	B1	02-27-2001	Mackin	
77.	6,197,324	B1	03-06-2001	Crittenden	
78.	6,201,608	B1	03-13-2001	Mandella et al.	
79.	6,206,893	B1	03-27-2001	Klein et al.	
80.	6,206,914	B1	03-27-2001	Soykan et al.	
81.	6,207,180	B1	03-27-2001	Ottoboni et al.	
82.	6,210,392	B1	04-03-2001	Vigil et al.	
83.	6,217,527	B1	04-17-2001	Selmon et al.	
84.	6,217,554	B1	04-17-2001	Green	
85.	6,221,049	B1	04-24-2001	Selmon et al.	
86.	6,231,546	B1	05-15-2001	Milo et al.	
87.	6,235,000	B1	05-22-2001	Milo et al.	
88.	6,241,710	B1	06-05-2001	VanTassel et al.	
89.	6,251,104	B1	06-26-2001	Kesten, et al.	
90.	6,283,947	B1	09-04-2001	Daryush Mirzaee	
91.	6,287,285	B1	09-11-2001	Michal, et al.	
92.	6,290,729	B1	09-18-2001	Slepian et al.	
93.	6,296,602	B1	10-02-2001	Headley	
94.	6,299,604	B1	10-09-2001	Ragheb et al.	
95.	6,309,370	B1	10-30-2001	Haim et al.	
96.	6,315,994	B1	11-13-2001	Usala et al.	
97.	6,334,872	B1	01-01-2002	Termin et al.	
98.	6,346,098	B1	02-12-2002	Yock et al.	
99.	6,346,099	B1	02-12-2002	Altman	
100.	6,346,515	B1	02-12-2002	Pitaru et al.	
101.	6,358,247	B1	03-19-2002	Altman et al.	
102.	6,358,258	B1	03-19-2002	Arcia et al.	
103.	6,368,285	B1	04-09-2002	Osadchy et al.	
104.	6,371,935	B1	04-16-2002	Macoviak et al.	
105.	6,371,992	B1	04-16-2002	Tanagho et al.	

Examiner Signature	<i>Allison M. Ford</i>	Date Considered	22 Jan 07
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Sheet	4	of	10	Attorney Docket No.	005618.P4124X
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106.	6,379,379	B1	04-30-2002	Wang
107.	6,385,476	B1	05-07-2002	Osadchy et al.
108.	6,391,052	B1	05-21-2002	Buirge et al.
109.	6,395,023	B1	05-28-2002	Summers
110.	6,409,716	B1	06-25-2002	Sahajian et al.
111.	6,416,510	B1	07-09-2002	Altman et al.
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113.	6,436,135	B1	08-20-2002	Goldfarb
114.	6,443,941	B1	09-03-2002	Slepian et al.
115.	6,443,949	B1	09-03-2002	Altman
116.	6,447,504	B1	09-10-2002	Ben-Haim et al.
117.	6,464,862	B1	10-15-2002	Bennett et al.
118.	6,478,776	B1	11-12-2002	Rosenman et al.
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120.	6,485,481	B1	11-26-2002	Pfeiffer
121.	6,548,081	B1	04-15-2003	Sadozai et al.
122.	6,554,801	B1	04-29-2003	Steward et al.
123.	6,599,267	B1	07-29-2003	Ray et al.
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126.	6,632,457	B1	10-14-2003	Sawhney, A.S.
127.	6,635,267	B1	10-21-2003	Miyoshi et al.
128.	6,660,034	B1	12-09-2003	Mandrusov et al.
129.	6,682,730	B1	01-27-2004	Mickle et al.
130.	6,689,608	B1	02-10-2004	Mikos et al.
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132.	6,702,744	B1	03-09-2004	Mandrusov et al.
133.	6,706,034	B1	03-16-2004	Bhat, Vinayak D.
134.	6,737,072	B1	05-18-2004	Angele, P., et al.
135.	6,748,258	B1	06-08-2004	Mueller et al.
136.	6,749,617	B1	06-15-2004	Palasis et al.
137.	6,777,231	B1	08-17-2004	Katz et al.
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140.	2001/0023349	A1	9-20-2001	VanTassel et al.
141.	2002/0146557	A1	10-10-2002	Claude et al.
142.	2003/0040712	A1	02-27-2003	Ray et al.

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Signature

Date Considered

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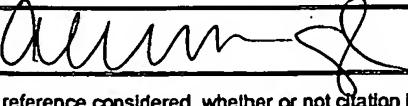
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146.	2005/0031874	A1	02-10-2005	Michal, et al.	
147.	RE37,463		12-25-1973	Menke	

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Exmrn Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
148.	EP 0691603	A1	01-10-1996	Compaq Computer Corp.			
149.	EP 0861632	A1	09-02-1998	Nissho Corporation			
150.	EP 0938871	A2	09-01-1999	Eclipse Surgical Technologies, Inc.			
151.	GB 2194144	A1	03-02-1988	American Cyanamid Company			
152.	WO 00/71196	A1	11-30-2000	Micro Therapeutics, Inc.			
153.	WO 01/24775	A1	04-12-2001	Essentia Biosystems, Inc.			
154.	WO 01/45548	A2	06-28-2001	Tricardia, Inc.			
155.	WO 01/49357	A2	07-12-2001	Advanced Cardiovascular System			
156.	WO 02/28450	A2	04-11-2002	Spence, Paul. A., et al.			
157.	WO 03/027234	A2	04-03-2003	Curis, Inc.			
158.	WO 03/064037	A1	08-07-2003	Medtronic			
159.	WO 2004/050013	A2	06-17-2004	Lee, R., et al.			
160.	WO 2004/066829	A2	08-12-2004	Origin Medsystems			
161.	WO 2004/091592	A2	10-28-2004	Guidant Corporaiton, V.I.			
162.	WO 92/10142	A1	06-25-1992	Pfizer Hosp. Products Group			
163.	WO 98/54301	A2	12-3-1998	Mickle, D.A., et al.			

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NON PATENT LITERATURE DOCUMENTS

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AM	164.	Agocha A. et al. "Hypoxia regulates basal and induced DNA synthesis and collagen type I production in human cardiac fibroblasts: effects of transforming growth factor-beta 1, thyroid hormone, angiotensin II and fibroblast growth factor," <i>J. Mol. Cell. Cardiol.</i> (1997) 29(8): 2233-2244.	
	165.	Anderson, J. et al. "Biodegradation and Biocompatibility of PLA and PLGA Microspheres," <i>Advanced Drug Delivery Reviews</i> 28 (1997), pp.5-24.	
	166.	Baxter, "FloSeal Matrix Hemostatic Sealant," downloaded from the Internet on November 14, 2002, from: http://www.fusionmed.com/docs/surgeon/default.asp , 2 pages.	
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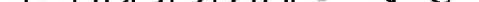
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				Filing Date	March 16, 2004
				First Named Inventor:	Eugene T. Michal
				Art Unit	1651
				Examiner Name	Allison M. Ford
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Art Unit	1651
Examiner Name	Allison M. Ford

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<i>[Signature]</i>	210.	Shin, H. et al. "In Vivo Bone & Soft Tissue Response to Injectable, Biodegradable Eligio (Polyethylene Glycol Fumarate) Hydrogels," <i>Biomaterials</i> 24 (2003), pp. 3201-3211.	
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